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PATENT  
Docket No. 249.0007 0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Dominic COSGROVE	)	Group Art Unit: 1614
		)	
Serial No.:	10/698,121	)	Examiner: Unknown
Confirmation No.:	8958	)	
		)	
Filed:	31 October 2003	)	
For:	<u>INDUCIBLE LIGAND FOR <math>\alpha</math>1<math>\beta</math>1 INTEGRIN AND USES</u>		

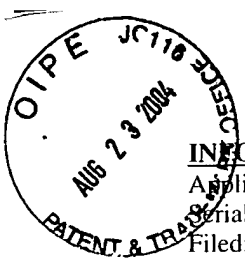
**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Per M.P.E.P. § 609, the information cited in the present Information Disclosure Statement shall not be construed to be an admission that the information is, or is considered to be, material to patentability. Consideration of each of the documents listed on the attached 1449 form(s) is respectfully requested. As this patent application was filed after June 30, 2003, copies of the U.S. patents and U.S. patent application publications listed on the attached 1449 form(s) have not been submitted. Pursuant to the provisions of M.P.E.P. §609, Applicant further requests that a copy of the 1449 form(s), marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

It is believed that no fee is due, as this Information Disclosure Statement is filed prior to the receipt of any Action on the merits. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.



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The Examiner is invited to contact Applicant's Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

Respectfully submitted for

**Dominic COSGROVE,**

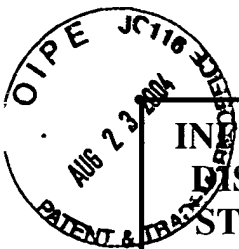
By  
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CERTIFICATE UNDER 37 C.F.R. 1.8:  
The undersigned hereby certifies that this paper is being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 19 day of AUGUST, 2004.  
Signature: [Handwritten Signature]  
Printed Name: R. Kelly McNeilly

August 19, 2004  
Date

By: [Handwritten Signature]  
Ann M. Mueting  
Reg. No. 33,977  
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	<b>Information Disclosure Statement mailed:</b> <u>19</u> August 2004	

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	none					

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	none						

**OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)**

Examiner Initial	Document Description
	Adams et al., "Initial assessment of human gene diversity and expression patters based upon 83 million nucleotides of cDNA sequence", <i>Nature</i> , 377(6547 Suppl.):3-174 (28 September 1995).
	Andreasen et al., "Expression and Functional Importance of Collagen-Binding Integrins, $\alpha_1\beta_1$ and $\alpha_2\beta_1$ , on Virus-Activated T Cells <sup>1</sup> ", <i>The Journal of Immunology</i> , 2003, pgs. 2804-2811.
	Bank et al., "Lymphocytes Expressing $\alpha_1\beta_1$ Integrin (Very Late Antigen-1) in Peripheral Blood of Patients with Arthritis Are a Subset of CD45RO <sup>+</sup> T-Cells Primed for Rapid Adhesion to Collagen IV", <i>Clinical Immunology</i> , 105(3):247-258 (December 2002).
	Border et al., "Suppression of experimental glomerulonephritis by antiserum against transforming growth factor $\beta_1$ ", <i>Nature</i> , 346:371-374 (26 July 1990).
	Conti et al., "MCP-1 and RANTES Are Mediators of Acute and Chronic Inflammation", <i>Allergy and Asthma Proc.</i> , 22:133-137 (May-June 2001).
	Cook et al., "Treatment with an Antibody to VLA-1 Integrin Reduces Glomerular and Tubulointerstitial Scarring in a Rat Model of Crescentic Glomerulonephritis", <i>American Journal of Pathology</i> , 161(4):1265-2172 (04 October 2002).

<b>EXAMINER</b>	<b>Date Considered</b>
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\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Examiner Initial	Document Description
	Cosgrove et al., "Integrin $\alpha 1\beta 1$ and Transforming Growth Factor- $\beta 1$ Play Distinct Roles in Alport Glomerular Pathogenesis and Serve as Dual Targets for Metabolic Therapy", <i>American Journal of Pathology</i> , 157(5):1649-1659 (November 2000).
	De Fougerolles et al., "Regulation of inflammation by collagen-binding integrins $\alpha 1\beta 1$ and $\alpha 2\beta 1$ in models of hypersensitivity and arthritis", <i>The Journal of Clinical Investigation</i> , 105(6):721-729 (March 2000).
	Gardner et al., "Deletion of Integrin $\alpha 1$ by Homologous Recombination Permits Normal Murine Development but Gives Rise to a Specific Deficit in Cell Adhesion", <i>Developmental Biology</i> , 175:301-312 (1996).
	Gowen et al., "The collagenous domain of class A scavenger receptors is involved in macrophage adhesion to collagens", <i>Journal of Leukocyte Biology</i> , 69:575-582 (April 2001).
	Hägg et al., "Type XIII Collagen: a novel cell adhesion component present in a range of cell-matrix adhesions and in the intercalated discs between cardiac muscle cells", <i>Matrix Biology</i> , 19:727-742 (2001).
	Hägg et al., "Type XIII Collagen is Identified as a Plasma Membrane Protein", <i>The Journal of Biological Chemistry</i> , 273(25):15590-15597 (19 June 1998).
	Harlan et al., "Leukocyte-endothelial interactions: Clinical trials of anti-adhesion therapy", <i>Crit Care Med</i> , 30(5(Suppl.)):S214-S219 (2002).
	Heeringa et al., "Renal expression of endothelial and inducible nitric oxide synthase, and formation of peroxynitrite-modified proteins and reactive oxygen species in Wegener's granulomatosis", <i>Journal of Pathology</i> , 193:224-232 (2001).
	Kim et al., "Cytokines and adhesion molecules in stroke and related diseases", <i>Journal of the Neurological Sciences</i> , 137:69-78 (1996).
	Kosswig et al., "Class A Scavenger Receptor-mediated Adhesion and Internalization Require Distinct Cytoplasmic Domains", <i>The Journal of Biological Chemistry</i> , 278(36):34219-34225 (05 September 2003).
	Krieglstein et al., "Collagen-binding integrin $\alpha 1\beta 1$ , regulates intestinal inflammation in experimental colitis", <i>The Journal of Clinical Investigation</i> , 110(12):1773-1782 (December 2002).

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	Kvist et al., "Animal Model. Lack of Cytosolic and Transmembrane Domains of Type XIII Collagen Results in Progressive Myopathy", <i>American Journal of Pathology</i> , 159(4):1581-1593 (04 October 2001).
	Lalor et al., "Vascular Adhesion Protein-1 Mediates Adhesion and Transmigration of Lymphocytes on Human Hepatic Endothelial Cells", <i>The Journal of Immunology</i> , 169:983-992 (2002).
	Luby-Phelps, "Preparation of Fluorescently Labeled Dextrans and Ficolls", <i>Methods in Cell Biology</i> , 29:Chapter 4, pgs. 59-73 (1989).
	Nykvist et al., "Distinct Recognition of Collagen Subtypes by $\alpha_1\beta_1$ and $\alpha_2\beta_1$ Integrins", <i>The Journal of Biological Chemistry</i> , 275(11):8255-8261 (17 March 2000).
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	Roebuck, "Oxidant stress regulation of IL-8 and ICAM-1 gene expression: Differential activation and binding of the transcription factors AP-1 and NF- $\kappa$ B (Review)", <i>International Journal of Molecular Medicine</i> , 4:223-230 (1999).
	Ruoslahti, "Targeting tumor vasculature with homing peptides from phage display", <i>seminars in CANCER BIOLOGY</i> , 10:435-442 (2000).
	Sampson et al., "Global Gene Expression Analysis Reveals a Role for the $\alpha_1$ Integrin in Renal Pathogenesis", <i>The Journal of Biological Chemistry</i> , 276(36):34182-34188 (07 September 2001).
	Yoon et al., "Sustained Production of H <sub>2</sub> O <sub>2</sub> Activates Pro-matrix Metalloproteinase-2 through Receptor Tyrosine Kinases/Phosphatidylinositol 3-Kinase/NF- $\kappa$ B Pathway", <i>The Journal of Biological Chemistry</i> , 277(33):30271-30282 (16 August 2002).
	Yusuf-Makagiansar et al., "Inhibition of LFA-1/ICAM-1 and VLA-4/VCAM-1 as a Therapeutic Approach to Inflammation and Autoimmune Diseases", <i>Medicinal Research Reviews</i> , 22(2):146-167 (2002).

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